



02/28/02

BIRCH, STEWART, KOLASCH & BIRCH, LLP  
 RAYMOND C. STEWART  
 JOSEPH A. KOLASCH  
 JAMES M. SLATTERY  
 BERNARD L. SWEENEY\*  
 MICHAEL K. MUTTER  
 CHARLES GORENSTEIN  
 GERALD M. MURPHY, JR.  
 LEONARD R. SVENSSON  
 ANDREW D. MEIKLE  
 MARC S. WEINER  
 JOE MCKINNEY MUNCY  
 ROBERT J. KENNEY  
 JOHN W. BAILEY  
 MARK J. NUELLE, PH.D.  
 JAMES T. ELLER, JR.  
 D. RICHARD ANDERSON

OF COUNSEL:  
 HERBERT M. BIRCH (1905-1996)  
 ELLIOT A. GOLDBERG\*  
 WILLIAM L. GATES\*  
 EDWARD H. VALANCE  
 RUPERT J. BRADY (RET.)\*  
 F. PRINCE BUTLER  
 FRED S. WHISENHUNT  
 JAMES W. HELLWEGE

\*ADMITTED TO A BAR OTHER THAN VA

## BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP

INTELLECTUAL PROPERTY LAW

8110 GATEHOUSE ROAD

SUITE 500 EAST

FALLS CHURCH, VA 22042-1210

USA

(703) 205-8000

FAX: (703) 205-8050

(703) 698-8590 (G IV)

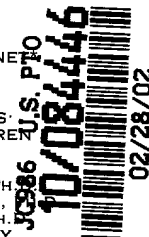
e-mail: mailroom@bskb.com

web: http://www.bskb.com

CALIFORNIA OFFICE  
 COSTA MESA, CALIFORNIA

SCOTT L. LOWE  
 PAUL C. LEWIS  
 RICHARD J. GALLAGHER  
 JAYNE M. SAYDAH\*  
 MARYANNE ARMSTRONG, PH.D.  
 KECIA J. REYNOLDS  
 ROBERT L. SCOTT, II  
 KALPANA REDDY  
 MARK E. OLDS  
 ESTHER H. CHONG  
 CATHERINE M. VOISINET  
 EUGENE T. PEREZ

REG. PATENT AGENTS  
 FREDERICK R. HANDREN  
 MAKI HATSUMI  
 CRAIG A. McROBBIE  
 GARTH M. DAHLEN, PH.  
 ROBERT E. GOOZNER, PH.  
 KRISTI L. RUPERT, PH.  
 MATTHEW T. SHANLEY  
 SUSAN W. GORMAN, PH.D.  
 DAVID J. CHO  
 ROBERT W. DOWNS

Date: February 28, 2002Docket No.: 0630-1430P

Assistant Commissioner for Patents  
 Box PATENT APPLICATION  
 Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): CHOI, Jong Sung  
 JOH, Dong Hyeon

For: APPARATUS AND METHOD FOR UPGRADING SOFTWARE

Enclosed are:

 X  A specification consisting of  20  pages X   5  sheet(s) of  FORMAL  drawings X  An assignment of the invention - \$40.00 Recording Fee X  Certified copy of Priority Document(s) X  Executed Declaration      Original  X  Photocopy     Applicant claims small entity status in accordance with 37 CFR 1.27     Application Data Sheet in accordance with 37 C.F.R. 1.76

- ☐ Preliminary Amendment  
☐ Information Disclosure Statement, PTO-1449 and reference(s)  
☐ Other \_\_\_\_\_  
☐ Applicant requests early publication

The filing fee has been calculated as shown below:

LARGE ENTITY				SMALL ENTITY	
FOR	NO. FILED	NO. EXTRA	RATE FEE		RATE FEE
BASIC FEE	***** ***** *****	***** ***** *****	***** ***** \$740.00 *****	or	***** ***** \$370.00 *****
TOTAL CLAIMS	31 - 20 =	11	x18 =\$ 198.00	or	x 9 = \$ 0.00
INDEPENDENT	5 - 3 =	2	x84 =\$ 168.00	or	x 42 = \$ 0.00
MULTIPLE DEPENDENT CLAIM PRESENTED <u>no</u>			+280 = \$ 0.00	or	+140 = \$ 0.00
TOTAL \$1,106.00				TOTAL \$ 0.00	

- ☒ A check in the amount of \$1,146.00 to cover the filing fee and recording fee (if applicable) is enclosed.  
☐ Please charge Deposit Account No. 02-2448 in the amount of \$\_\_\_\_\_. A triplicate copy of this transmittal form is enclosed.  
☐ No fee is enclosed.

Please send correspondence to:

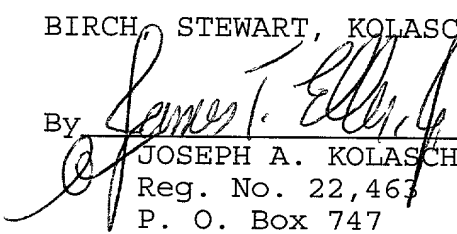
BIRCH, STEWART, KOLASCH & BIRCH, LLP or Customer No. 2292  
 P.O. Box 747  
 Falls Church, VA 22040-0747  
 Telephone: (703) 205-8000

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. 1.16 or under 37 C.F.R. 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By

 #39,538  
JOSEPH A. KOLASCH

Reg. No. 22,463

P. O. Box 747

Falls Church, Virginia 22040-0747

(703) 205-8000

JAK/sll